

Research Center for Quantitative Renal Imaging

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Mission: The mission of the *Research Center for Quantitative Renal Imaging* is to provide a focused research environment and resource for the development, implementation, and dissemination of innovative, quantitative imaging methods designed to assess the status of and mechanisms associated with acute and chronic kidney disease and evaluate efficacy of therapeutic interventions.

Nature of the Center: This Research Center provides a formal mechanism to link research programs focused on understanding the fundamental mechanisms associated with kidney diseases with those associated with the development of advanced imaging methods and quantitative analyses into a focused effort dedicated toward the development and implementation of quantitative renal imaging methods.

Goals of the IUPUI Research Center for Quantitative Renal Imaging:

- Identify, develop, and implement innovative imaging methods that provide quantitative imaging biomarkers for assessing and inter-relating renal structure, function, hemodynamics and underlying tissue micro-environmental factors contributing to kidney disease.
- Establish an environment that facilitates and encourages interdisciplinary collaborations among investigators and offers research support to investigators focused on developing and utilizing innovative quantitative imaging methods in support of kidney disease research.
- Provide a resource to inform the greater research and healthcare communities of advances in quantitative renal imaging and its potential for enhanced patient management and care.
- Offer an imaging research resource to companies engaged in product development associated with the diagnosis and treatment of kidney diseases.

Further Information: For further information regarding the *IUPUI Research Center for Quantitative Renal Imaging* and its funding programs please visit <http://www.renalimaging.iupui.edu/> or contact the Center at renalimg@iupui.edu.

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